



PATENT
10/750,310

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Dickinson

Serial No.: 10/750,310

Attorney Docket: M02A296

Title: METHOD AND APPARATUS FOR HIGH SPEED ATOMIC LAYER DEPOSITION

Group Art Unit: 3747

Filed: December 31, 2003

Examiner:

Mail Stop: MISSING PARTS

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

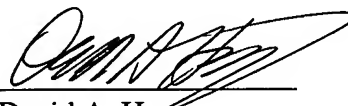
Dear Sir:

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL
APPLICATION**

In response to the Notice to File Missing Parts of Nonprovisional Application (copy enclosed) mailed April 15, 2004, Applicant submits the enclosed Declaration executed by him. Also enclosed is the originally executed Power of Attorney. The Commissioner is hereby authorized to charge to Deposit Account No. 02-2865, the \$130.00 fee required under 37 CFR 1.16(e).

The Commissioner is requested to grant any necessary extension of time and is authorized to charge any additional fee, if required, to our Deposit Account No. 02-2865.

Respectfully submitted,



David A. Hey
Attorney of Record
Registration No. 32,351

Date: August 11, 2004

The BOC Group, Inc.
575 Mountain Avenue
Murray Hill, NJ 07974
(908) 771-6385

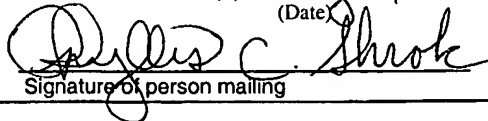
CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on: 11 August 2004

(Date)

PHYLLIS C. SKROK

Printed name of person signing this certificate


Signature of person mailing

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO FEE TRANSMITTAL
for FY 2004
Effective 01/2003. Patent fees are subject to annual revision.
☐ Applicant claims small entity status. See 37 CFR 1.27
TOTAL AMOUNT OF PAYMENT (\$) 550

Complete if Known

Application Number	10/750,310
Filing Date	December 31, 2003
First Named Inventor	Dickinson
Examiner Name	
Art Unit	3747
Attorney Docket No.	M02A296

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None
Order

☒ Deposit Account:

Deposit Account Number: 02-2865

Deposit Account Name: The BOC Group, Inc.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1001	770	2001	385	Utility filing fee	
		1002	340	2002	170	Design filing fee	
		1003	530	2003	265	Plant filing fee	
		1004	770	2004	385	Reissue filing fee	
		1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)							(\$ 0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims: -20 ** = 0 X = 0

Independent Claims: -3 ** = 0 X = 0

Multiple Dependent: X = 0

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1202	18	2202	9	Claims in excess of 20	
		1201	86	2201	43	Independent claims in excess of 3	
		1203	290	2203	145	Multiple dependent claim, if not paid	
		1204	86	2204	43	** Reissue independent claims over original patent	
		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)							(\$ 0)

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large	Entity	Small	Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65					Surcharge - late filing fee or oath	130
1052	50	2052	25					Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130					Non-English specification	
1812	2,520	1812	2,520					For filing a request for reexamination	
1804	920*	1804	920*					Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*					Requesting publication of SIR after Examiner action	
1251	110	2251	55					Extension for reply within first month	
1252	420	2252	210					Extension for reply within second month	420
1253	950	2253	475					Extension for reply within third month	
1254	1,480	2254	740					Extension for reply within fourth month	
1255	2,010	2255	1,005					Extension for reply within fifth month	
1401	330	2401	165					Notice of Appeal	
1402	330	2402	165					Filing a brief in support of an appeal	
1403	290	2403	145					Request for oral hearing	
1451	1,510	1451	1,510					Petition to institute a public use proceeding	
1452	110	2452	55					Petition to revive - unavoidable	
1453	1,330	2453	665					Petition to revive - unintentional	
1501	1,330	2501	665					Utility issue fee (or reissue)	
1502	480	2502	240					Design issue fee	
1503	640	2503	320					Plant issue fee	
1460	130	1460	130					Petitions to the Commissioner	
1807	50	1807	50					Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180					Submission of Information Disclosure Stmt	
8021	40	8021	40					Recording each patent assignment per property (times number of properties)	
1809	770	2809	385					Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385					For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385					Request for Continued Examination (RCE)	
1802	900	1802	900					Request for expedited examination of a design application	
Other fee (specify)									
*Reduced by Basic Filing Fee Paid									
SUBTOTAL (3)									(\$ 550)

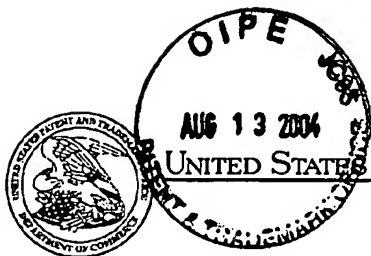
SUBMITTED BY

Name (Print/Type)	DAVID A. HEY	Registration No. (Attorney/Agent)	32, 351	Telephone	(908) 771-6385
Signature				Date	August 11, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/750,310	12/31/2003	Colin John Dickinson	M02A296

CONFIRMATION NO. 9706

FORMALITIES LETTER



OC000000012518017

Ira Lee Zebrak
 The BOC Group, Inc.
 Legal Services - Intellectual Property
 100 Mountain Ave.
 Murray Hill, NJ 07974

Date Mailed: 05/04/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$130** for a Large Entity

- **\$130** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts
 Commissioner for Patents
 P.O. Box 1450
 Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

Meazg, W

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE